

ALGEBRA & NUMBERS – LW PRACTICE 3

* means Multiply

√ means Root

1. Solve: $(x+3)/2 = (x-4)/5$ x^7
Ans: _____
2. Make y the subject: $h(y + n) = a$ $(b^2+t)/g$
Ans: _____
3. Make x the subject: $b = \sqrt{gx-t}$ $-23/3$
Ans: _____
4. Simplify: x^3/x^{-4} $(a-hn)/h$
Ans: _____
5. Simplify: t^{-3}/t x
Ans: _____
6. Simplify: $(9k^{1/2}/25)^{1/2}$ $1/t^4$
Ans: _____
7. Simplify: $(x^{1/2})^2$ $(3k^{1/4})/5$
Ans: _____
8. Simplify: $y^{-2} * y^4$ $(x+1)(5+2x)$
Ans: _____
9. Factorise: $3(x+1) + 2(x+1)^2$ 20
Ans: _____
10. A Maths teacher bought 40 calculators at \$8.20 each and a number of other calculators costing \$2.95 each. In all, she spent \$387. How many of the cheaper calculators did she buy?
Ans: _____ y^2